



Project title: Process Water Pump Station: Change Order # 3 to the construction Contract with Stellar J Corporation for the Process Water Pump Station in the amount of \$12,572.00, and the addition of 298 calendar days to the Contract.

City Council Agenda Item Cover Sheet

Council Bill #

Agenda dates requested:

April 29, 2020

Briefing

Proposed action

Consent

Action

Ordinance

Public hearing

Yes ☒ No

Budget amendment:

Yes ☒ No

PowerPoint presentation:

Yes ☒ No

Attachments: CO # 3-Two copies

Department(s) involved:

Public Works, Admin

Contact person:

Keith Alewine *KA*

Phone number:

425-257-7225

Email:

Kalewine@everettwa.gov

Initialed by:

TKS

Department head

Administration

ST

Council President

Project: Process Water Pump Station

Partner/Supplier : Stellar J Corporation

Location: Water Filtration Plant-Sultan, WA

Preceding action: Award: 7/3/2018

Fund: 401-Utilities

Fiscal summary statement:

Original Contract Amount: \$838,500.00

Change Order Number 1: \$ 38,725.00 30 calendar days added to Contract 5/15/2019

Change Order Number 2: \$ 24,956.00 10/22/2019

Change Order Number 3: \$ 12,572.00 298 calendar days added to the Contract

Current Contract Total: \$914,753.00

Project summary statement:

The Water Filtration Plant Standpipe provides water and potable water necessary for the treatment of the water supply for the City of Everett. This project adds a skid mounted booster pump station to the pumping system feeding the existing potable water standpipe, which will provide for the Filtration Plant's process water and fire flow demands.

Since this project was a calendar day project, there was not a mechanism within the Contract to suspend the project. There were several times the project stopped, while waiting for availability of new pump parts, mechanical parts, electrical parts, or software. There were difficulties with software implementation, which required a collaborative effort from the contractor and City of Everett personnel. The contractor worked with the COE to add system redundancy features that were not originally part of the Contract. This work could not have been anticipated and additional time and costs were required to design, fabricate, and source products that would meet the City of Everett Water Filtration Plant Staff's needs. The project is now substantially complete.

Recommendation (exact action requested of Council):

Authorize the Mayor to sign this Change Order No. 3 to the construction Contract with Stellar J Corporation for the Process Water Pump Station in the amount of \$12,572.00, and the addition of 298 calendar days.

CITY OF EVERETT

Change Order

Project Title Process Water Pump Station
Department Public Works
Work Order No. UP-3647
Contractor: Stellar J Corporation
Contract Award Date: July 3, 2018
City Staff Contact: Keith Alewine
Change Order No. 3
Change Order Effective Date March 27, 2020

CONTRACT PRICE (exclusive of Wash. State Sales Tax)

Original contract price	\$838,500.00
Cumulative Amount of prior change orders	\$63,381.00
Total Contract Price including prior change orders	\$902,181.00
Amount of this Change Order	\$12,572.00
Total Contract Price including this Change Order	\$ 914,753.00

CONTRACT TIME

Original Contract Duration 171	Working Days <input type="checkbox"/> Calendar Days <input checked="" type="checkbox"/>
Date of Notice to Proceed	November 5, 2018
Cumulative adjustment to duration by <i>prior</i> Change Orders	30
Adjustment to duration by <i>this</i> Change Order	298
New Contract Duration (including this Change Order)	499

Contractor and City agree as follows:

1. The scope of Work shall be changed to the extent described in Exhibit A.
2. With the exception of Washington State sales tax, the amount of the change order for the changes described in Exhibit A, represents complete compensation for the changes described in Exhibit A, including all direct and indirect costs and impacts. The contract price shall be adjusted as described in this Change Order.
3. Everett Municipal Code 3.80.050 sets forth the threshold amounts below which the Mayor or his designee is authorized to direct Contractor to perform additional work. In calculating such threshold amounts, Washington State sales tax, if applicable to the Work, has been considered.
4. The duration of the Contract shall be adjusted to the extent described in this Change Order.
5. Contractor waives and releases any and all claims arising out of, or related to, this Change Order, the work described in Exhibit A, and all work and actual or constructive changes that occurred or began prior to the date of this Change Order, including, but not limited to, claims for equitable adjustment of time and compensation, delay, impact, overhead, or inefficiencies. This provision does not apply to requests for equitable adjustment of time or price for which the Contractor timely and properly provided notice of a differing site condition, protest, dispute, claim or Contract Claim as required by the Contract Documents. If the Contract Documents establish a time period for notice of a differing site condition, protest, dispute, claim, or Contract Claim that ends after the date of this Change Order, but relates to work performed prior to the date of this Change Order, then this provision does not apply if the Contractor timely and properly submits such notice
6. This Change Order only changes the contract between Contractor and City to the extent explicitly provided herein.

CITY			
<div style="border-bottom: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> Mayor Date: </div>	<div style="border-bottom: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> City Clerk Date: </div>	<div style="border-bottom: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> City Attorney Date: </div>	
Recommended By:			
<div style="border-bottom: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> Construction Manager (if applicable) Date: </div>	<div style="border-bottom: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> Project Engineer (if applicable) Date: </div>	<div style="border-bottom: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> Engineering Manager (if applicable) Date: </div>	<div style="border-bottom: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> Department Director Date: </div>

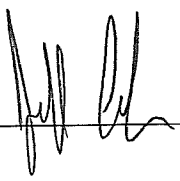
CONTRACTOR	
By  _____ Officer	Date: <u>4-6-2020</u>

Exhibit A—Description of Changed Work

This Change Order No. 3 adds one (1) new item to the Contract as shown below.

Added Item

New Item # 6 – Installation of new Pump Priming System. Add new item # 6 entitled, “Installation of new Pump Priming System” at the agreed to lump sum price of \$12,572.00, resulting in a Contract increase of \$12,572.00.

Justification

New Item # 6 – Installation of new Pump Priming System. The existing pump priming system is not a redundant system, which according to the City of Everett Water Filtration Plant Staff, is necessary for the new Process Water Pump Station to work properly and efficiently. This new item is being added to account for costs to install a new pump priming system at the Process Water Pump Station.

Contract Time

There will be 298 calendar days added to the Contract in Change Order No. 3 as shown below.

Following the installation of the new Process Water Pump Station, there were multiple issues with the running of the system that caused delays to this project, pumps, and pump controls. Below are the issues that caused delays on this project.

- Purchased and installed new Automatic Duplex Pump Priming System; Thirty (30) days were previously added in CO # 1, but the system took longer to acquire than originally anticipated, and after installation, some of the valves needed to be relocated to ensure the system worked properly.

- Two existing Variable Frequency Drives (VFDs) voltage relays tripped when the pump system was started up.
- A Power Monitoring Meter was used to monitor the relay tripping and to diagnose the relay tripping problem. A third party was utilized for the power quality metering monitoring, which caused delays in scheduling and implementation of the monitoring.
- Several of the new pump seals leaked and had to be tested and ultimately replaced. Diagnosis and replacement caused delays.
- Hand-Off-Auto (HOA) switches not working properly. Time to diagnose the problem with the HOA switches caused delays.
- Some of the new pumps were initially running erratically , were hot to the touch when running, and/or had cavitation issues. These issues were complex and took time to resolve.
- Difficulties with the software implementation, programming, and tying the new pump system in the Process Water Pump Station into the greater Water Filter Plant control system, which caused delays.
- Fans/HVAC unit running erratically and noisily, which required additional work by the contractor, causing delays.
- There were multiple issues occurring during the startup phase of the Process Water Pump System, which led to delays to identify and ultimately resolve and fix the issues.
- Other miscellaneous additional work or changes that led to additional work, not part of the original Contract, which caused delays.
- Contractor worked with City to add redundancy in system that was not originally part of the contract. This work could not have been anticipated and additional time and costs were required to design, fabricate, and source products that would meet the City of Everett Water Filtration Plant Staff's needs.

Total cost of Change Order No. 3 is \$12,572.00